# 202P4

- ***22-inch (20.0" VIS) Color CRT Monitor***
  *Enjoy excellent display performance providing an optimum resolution of 2048 x 1536 for amazing image clarity and sRGB compatibility for better color matching.*

- ***Breakthrough Real Flat Tube***
  *Experience natural viewing with no distortion and less reflection with Philips Real Flat monitors.*

- ***Superior Display with Auto Calibrate***
  *With Philips exclusive Auto Calibrate technology, the 202P4 keeps brightness and color output constant over time – automatically.*

- ***XtraSpace Design™***
  *Moving beyond industry standards, Philips monitors increase available desk space while delivering the shortest front-to-back desk space requirement in the industry.*

- ***Philips First Choice Program***
  *One-call support includes a comprehensive 3-year warranty with a 1-year 48-hour advance swap guarantee.*

REAL FLAT

Auto Calibrate

XSD XtraSpace Design

*Mist White Model 202P40*

*Optional USB Hub attached to standard base PCUH411*

Philips Professional Series Monitors

Let's make things better.

PHILIPS

**Product Number** 202P45 (Black/Silver)
202P40 (Mist White)

## Technical Specifications

### CRT

| | |
|---|---|
| • Size (inch/cm) | 22.0 inch / 55 cm (20.0" VIS) |
| • Deflection Angle (degrees) | 90° |
| • Grille Pitch | 0.25 mm |
| • Tube Type | Aperture Grille, Real Flat, High Contrast, Anti-glare, Anti-static, Anti-reflection, Light Transmission 41% |
| • Phosphor | B22 |
| • Recom. Display Area (mm) | 392 x 294 mm |
| • Recom. Display Area (inch) | 15.4" x 11.6" |
| • Max. Display Area (mm) | 406 x 305 mm |
| • Max. Display Area (inch) | 16.0" x 12.0" |

### Scanning

| | |
|---|---|
| • Horizontal Scanning | 30 - 130 kHz |
| • Vertical Scanning | 50 - 160 Hz |

### Video

| | |
|---|---|
| • Video Dot Rate | 360 MHz |
| • Input Impedance | |
| -Video | 75Ω |
| -Sync | 2.2kΩ |
| • Input Signal Levels | 0.7 Vp-p |
| • Sync Input Signal | Separate Sync<br>Composite Sync |
| • Sync Polarities | Positive and Negative |

### White Color Temperature

Chromaticity CIE Coordinates:

| | |
|---|---|
| • at 9300 K: | x=0.283, y=0.297 |
| • at 6500 K: | x=0.313, y=0.329 |
| • at 5500 K: | x=0.332, y=0.347 |
| • sRGB | |

### Resolution and Preset Modes

| | |
|---|---|
| • Max. Resolution | 2048 x 1536 |
| • Recom. Resolution | 1600 x 1200 |

- GTF
- 16 User Definable Modes
- 37 Factory Preset Modes:

| Resolution | H.freq | V.freq | Resolution | H.freq | V.freq |
|---|---|---|---|---|---|
| 640 x 480 | 31.5(kHz) | 60(Hz) | 1280 x 1024 | 91.1 | 85 |
| 640 x 480 | 37.9 | 72 | 1600 X 1200 | 75.0 | 60 |
| 640 x 480 | 37.5 | 75 | 1600 X 1200 | 81.3 | 65 |
| 640 x 480 | 43.3 | 85 | 1600 X 1200 | 87.5 | 70 |
| 640 x 480 | 50.6 | 100 | 1600 X 1200 | 93.8 | 75 |
| 720 x 400 | 31.5 | 70 | 1600 X 1200 | 106.3 | 85 |
| 800 x 600 | 37.9 | 60 | 1792 X 1344 | 83.6 | 60 |
| 800 x 600 | 48.1 | 72 | 1792 X 1344 | 106.3 | 75 |
| 800 x 600 | 46.9 | 75 | 1792 X 1344 | 118.5 | 85 |
| 800 x 600 | 53.7 | 85 | 1856 X 1392 | 86.3 | 60 |
| 800 x 600 | 63.9 | 100 | 1856 X 1392 | 122.3 | 85 |
| 832 x 624 | 49.7 | 75 | 1920 X 1440 | 90.0 | 60 |
| 1024 x 768 | 48.4 | 60 | 1920 X 1440 | 112.5 | 75 |
| 1024 x 768 | 56.5 | 70 | 1920 X 1440 | 120.0 | 80 |
| 1024 x 768 | 60.0 | 75 | 1920 X 1440 | 127.3 | 85 |
| 1024 x 768 | 68.7 | 85 | 2048 x 1536 | 95.8 | 60 |
| 1152 x 870 | 68.7 | 75 | 2048 x 1536 | 120.5 | 75 |
| 1280 x 1024 | 64.0 | 60 | 2048 x 1536 | 130.0 | 80 |
| 1280 x 1024 | 80.0 | 75 | | | |

### Plug and Play Compatibility

- Display Data Channel DDC 2B (VESA)
- Microsoft® Windows® 95/98/Me & 2000/NT/XP Compatible

### Power Management

Complies with EPA Energy Star specifications

| | |
|---|---|
| • Operation | 124 W (typical) |
| • Suspend/Stand By Mode | < 7 W |
| • Off Mode/Deep Sleep Mode | < 2.8 W |

### Low-Emission Characteristics

- Complies with MPR-II and TCO '99 specifications

### Monitor Controls and Functions

| | |
|---|---|
| • Main | 5-button OSD<br>Brightness +/- Direct Access<br>Contrast+/- Direct Access<br>Input Selection Direct Access |
| • On Screen Display | Language (English, Spanish, French, German, Italian), Zoom, Horizontal, Vertical, Pincushion, Balanced, Trapezoid, Parallelogram, Color, sRGB, Reset, Degauss, Moire, Serial Number, Resolution, Frequency, Convergence, Purity, Input Selection, Auto Calibrate |
| • Auto Calibrate | Automatic and manual calibration of color temperature, brightness and contrast levels to original setting |

### Connections and Cables

| | |
|---|---|
| • Connections | |
| -Video | 15-pin D-Sub / 5 BNC |
| • Cables | D-Sub Video Cable, Power Cord |

### Regulatory Approvals

- TCO '99
- MPR-II Low Emission
- FCC-B, UL, CSA, DHHS
- VCC-I, CE, BCIQ, PSB
- Energy Star

### Physical Specifications

| | | |
|---|---|---|
| • UPC Code | 202P45 (Black/Silver) | 0 37849 92918 6 |
| | 202P40 (Mist White) | 0 37849 92469 3 |
| • Unit Dimension (WxHxD) | | 19.7" x 19.7" x 18.3" (incl. base)<br>501 x 501 x 466 mm (incl. base)<br>19.7" x 18.1" x 18.3" (excl. base)<br>501 x 461 x 466 mm (excl. base) |
| • Unit Weight | | 61.8 lbs/28.1 kg |
| • Carton Dimension (WxHxD) | | 25.9" x 26.6" x 25.9"<br>657.9 x 675.6 x 657.9 mm |
| • Carton Weight | | 76.0 lbs/34.5 kg |
| • Power Supply | | 90 – 264 VAC, 50/60Hz |
| • Temperature (operating) | | 0°C to 35°C/ 32°F to 95° F |
| • Temperature (storage) | | -25°C to 65°C/ -13°F to 149°F |
| • Relative Humidity | | 5% to 95% |
| • System MTBF | | > 75,000 hrs |

### Other

| | |
|---|---|
| • USB Hub Option | PCUH411 |

Carton contains: 202P4 Monitor, power cord, and user's manual on CD.

| | |
|---|---|
| INTERNET ADDRESS: | http://www.philipsusa.com |
| TECHNICAL SUPPORT: | (877) 835-1838 (USA)<br>(402) 536-4171 (outside USA) |

**Specifications subject to change without notice.**

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